REPORT NO. 79-3-9

FOREST INSECT AND DISEASE MANAGEMENT UNIT
U.S. FOREST SERVICE
DORAVILLE, GEORGIA

REPORT OF AERIAL DETECTION SURVEY

LAND OWNERSHIP OR SURVEY AREA: Long Cane Ranger District, Sumter National Forest

STATE: South Carolina

AREA WITHIN SURVEY BOUNDARY: 208,200 acres

DATE: March 14, 1979

PERCENT COVERAGE: 50%[1/]

AIRCRAFT: Cessna 182

CREW: Robert Riddlehoover (Long Cane Ranger District) and Robert Bassett (Aerial Survey Team)

REPORT PREPARED BY: Robert Bassett

SURVEY OBJECTIVES: To detect pine mortality attributable to the southern pine beetle or other insects.

SURVEY RESULTS

Only three small spots of dead trees were observed. A considerable amount of ice damage was observed, which may increase the potential for an outbreak of Ips bark beetles later this summer.

Summary of Aerial Survey Data - Long Cane Ranger District, Sumter National Forest, South Carolina, March 13, 1979

Ownership	Infestation Size (# Trees)									
	2-5		6-20		21-50		50+		Total	
	Spots	Trees	Spots	Trees	Spots	Trees	Spots	Trees	Spots	Trees
Long Cane Ranger District	4	12	0	0	0	0	0	0	4	12
Private lands	0	0	1	10	0	0	0	0	1	10

1/ Based on flight lines two miles apart with 1/2 mile viewing strip.

CONCLUSIONS

Pine beetle damage appears very low on the District at this time. Robert Riddlehoover reported that there are some southern pine been infesting trees with green crowns on the District, indicating that our aerial survey may be too early to detect new spots. Field surveillance by District personnel should continue. Any increase in southern pine beetle activity should be reported.

We appreciate the assistance of Robert Riddlehoover of the Long Cane Ranger District.

For any additional information, Contact:

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